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ICS 73.010
D 09
Record No.: 33214-2011

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Professional Standard of the People's Republic of China

AQ 2032-2011

Regulations for the construction of personnel regional positioning system in metal and nonmetal underground mine

金属非金属地下矿山人员定位系统建设规范

(English Translation)

Issue date: 2011-07-12 Implementation date: 2011-09-01

Issued by the State Administration of Work Safety

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Foreword

ChinaStandards.net is in charge of this English translation. In case of any doubt about the English translation, the Chinese original shall be considered authoritative.

This standard is compulsory.

This standard is used for standardizing the installation, maintenance and management requirements of personnel regional positioning system in metal and nonmetal underground mine.

This standard was proposed by the State Administration of Work Safety.

This standard is under the jurisdiction of the Subcommittee on Non-coal Mine Safety of National Technical Committee on Safety Production of Standardization Administration of China (TC288/SC2).

This standard is issued for the first time.

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Regulations for the construction of personnel regional positioning system in metal and nonmetal underground mine

1 Scope

This standard specifies the installation, maintenance and management requirements of personnel regional positioning system in metal and nonmetal underground mine.

This standard is not applicable to metal and nonmetal underground mine coexisting and associated with coal.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition (including any amendments) applies.

GB 16423-2006 *Safety regulations for metal and nonmetal mines*

3 Terms and definitions

3.1
personnel regional positioning system
system consists of host computer, transmission interface, base station (card reader), identification card, transmission cable and other equipment and management software, which has the functions of monitoring, displaying, printing, storing, inquiring, alarming and managing information such as card-carrying personnel's exit/entry time, key area's exit/entry time, working time, underground and key area's personnel number, underground personnel's activity route

3.2
host
computer device with the functions of monitoring signal reception, data display, inquiry and statistics, man-machine dialogue, disk storage, sound and light alarm, control printing and output, and connection with management network

3.3
transmission interface
interface that receives the signal from substation and sends it to the host for processing; receives the host signal and sends it to the corresponding substation; controls the sending

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